



CINT2000 Result

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ASUS Computer International
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 5000+

SPECint_rate2000 = **38.3**
SPECint_rate_base2000 = **36.0**

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jul-2006 | Hardware Avail: Jun-2006 | Software Avail: Jun-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	97.3	33.4	2	97.3	33.4
175.vpr	2	134	24.2	2	133	24.4
176.gcc	2	68.9	37.1	2	68.9	37.1
181.mcf	2	197	21.2	2	169	24.6
186.crafty	2	59.1	39.2	2	53.2	43.6
197.parser	2	120	34.9	2	120	34.7
252.eon	2	41.2	73.2	2	40.5	74.4
253.perlbnk	2	93.2	44.8	2	85.0	49.1
254.gap	2	61.0	41.9	2	57.9	44.1
255.vortex	2	77.2	57.1	2	68.5	64.4
256.bzip2	2	130	26.7	2	123	28.2
300.twolf	2	270	25.8	2	232	30.0

Hardware

CPU: AMD Athlon (TM) 64 5000+
CPU MHz: 2600
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: no
Primary Cache: 64KBI + 64KBD on chip, per core
Secondary Cache: 512KB (I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 2x1 GB, Corsair CM2X1024-8500C5 DDR2-1066 (manually set to DDR2-800 5-5-5-15 in the bios)
Disk Subsystem: SATA, Western Digital WD740GD, 10000 rpm
Other Hardware: None

Software

Operating System: Microsoft Windows XP SP2
Compiler: Intel C++ 9.1 build 20060519Z for IA32
Microsoft Visual Studio .NET 7.0.9466 (libraries)
MicroQuill Smartheap Library 8.0
File System: NTFS
System State: default

Notes/Tuning Information

GENERAL

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
shlw32M-80.lib is the SmartHeap library V8.0 from MicroQuill www.microquill.com

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Portability:

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Base tuning flags

for C programs: -fast -arch:SSE2 -Oi- +FDO
for C++ programs: -fast -arch:SSE2 -Qcxx-features +FDO

164.gzip: basepeak=yes
175.vpr: -O3 -Qipo -QxW -Qoption,c,-ip_ninl_max_stats=2000,
-ip_ninl_max_total_stats=4500 +FDO
176.gcc: basepeak=yes
181.mcf: -O3 -Qipo -QaxN +FDO shlw32M-80.lib



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Notes/Tuning Information (Continued)

```
186.crafty: -O3 -Qipo -QxW +FDO shlw32M-80.lib
197.parser: -Oi -Qipo -QxW +FDO shlw32M-80.lib
252.eon:     -O3 -Qipo -QxW -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000,
            -ip_ninl_max_total_stats=4500 +FDO shlw32M-80.lib
253.perlbnk: -O3 -Qipo -QxW +FDO shlw32M-80.lib
254.gap:     -O3 -Qipo -QxW +FDO shlw32M-80.lib
255.vortex:  -O3 -Qipo -arch:SSE -Oi- -Qoption,c,-ip_ninl_max_stats=2000,
            -ip_ninl_max_total_stats=4500 +FDO shlw32M-80.lib
```

The SUT was built with a discrete PCIe graphics card (ATI Radeon X850 XT) and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.